

Table T2. Calcareous nannofossil range chart, Hole 1052A.

[illegible]

Table T2. Calcareous nannofossil range chart, Hole 1052A.

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Braarudosphaera bigelowii</i>	<i>Calcidiscus protoannulus</i>	<i>Calcidiscus</i> spp.	<i>Campylosphaera dela</i>	<i>Campylosphaera</i> spp.	<i>Chiasmolithus consuetus</i>	<i>Chiasmolithus gigas</i>	<i>Chiasmolithus grandis</i>	<i>Chiasmolithus oamaruensis</i>	<i>Chiasmolithus solitus</i>	<i>Coccolithus eopelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Coccolithus pelagicus</i> (<4)	<i>Coronocylus</i> spp.	<i>Cribocentrum reticulatum</i> (10≥)	<i>Cribocentrum reticulatum</i> (10-6)	<i>Cribocentrum</i> spp.	<i>Cruciplacolithus vanheckae</i>	<i>Cruciplacolithus</i> spp.	<i>Dictyococites bisectus</i>
middle Eocene	CP15a	171B-1052A-																						
		3H-2, 85-87	A	G	4	3	1									2	20	6			4			11
		3H-3, 85-87	A	G	19	7	2									3	21	4	+		6			30
		3H-4, 85-87	A	G	12											2	14	8		1	4			29
		3H-5, 85-87	A	G	17	2	1									2	47			2	11			26
		4H-1, 85-87	A	G	4												17	6			13			15
		4H-2, 85-87	A	G			16									1	25	7			12			12
		4H-3, 85-87	A	G			16	1	2								27	2		2				10
		4H-4, 85-87	A	G	3	6										1	26			2	17			22
		4H-5, 85-87	A	G	4	12											19	1	10		15			6
		4H-6, 85-87	A	G	5	11										2	18	3		1	22			10
		5H-1, 85-87	A	G	11	45	1										24	11			12			58
		5H-2, 85-87	A	G	1	24											37	3			6		1	37
		5H-3, 85-87	A	G		43										2	17	4			1			20
		5H-4, 85-87	A	G	2	41										1	24	4	1		3			20
		5H-5, 85-87	A	G	10	48											20	3			2			43
		5H-6, 85-87	A	G	9	27										3	31				11			30
		6H-1, 89-91	A	G	2	27										2	38	2		1	9			21
		6H-2, 85-87	A	G	15	25										1	26	3			4			10
		6H-3, 85-87	A	G	3	23										3	38				19			18
		6H-4, 85-87	A	G	19	16											29	1			7			32
		6H-5, 87-89	A	G	10	14										1	28	1						12
		6H-6, 85-87	A	G	20	17											38	2			6			16
		7H-1, 90-91	A	G	25	16										5	33				5			14
		7H-2, 85-87	A	G	25	43										3	37				2			10
		7H-3, 89-91	A	G	10	33		1								1	50	1			2			8
		7H-4, 87-89	A	G	14	14		1						?			23	6			8	1	1	23
		7H-5, 87-89	A	G	15	23	1									+	25	2			12	1		8
		7H-6, 88-90	A	G	21	12	1									1	30	3			7	1	1	14
		8H-1, 83-85	A	G	8	17	1									+	24	5			5	1		14
		8H-3, 85-87	A	G	5	10										+	36	1			10	3		20
		8H-4, 85-87	A	G	9	5	1									1	41				1	6		7
		8H-5, 85-87	A	G	19	9		1								4	30		1		11			1
		8H-6, 85-87	A	G	15	15										1	25				28	2		1
		9H-1, 85-87	A	G	36	15										14	26		1		26	1		2
		9H-2, 85-87	A	G	40	20										6	36	1	19		1			2
		9H-3, 85-87	A	G	29	13										9	31		7		23			3
		9H-4, 85-87	A	G	13	13		1								1	29		2		22			
		9H-5, 86-88	A	G	10	11		1								2	34		3		11		1	
	CP14b	9H-6, 87-89	A	G	19	8	3				2					3	53		1		22			
		10H-1, 85-87	A	G	15	6					+						31		5		45	1		
		10H-2, 85-87	A	G	8	1					+					2	33		1		42			10
		10H-3, 85-87	A	G	18	10					3					5	34			1	15			17
		10H-4, 85-87	A	G	14	21										7	14		+	1			1	11
		10H-5, 85-87	A	G	32	35		1			1					3	25				20			8
		10H-6, 85-87	A	G	40	21					2					6	20		+	1	10			
		11H-1, 85-87	A	G	31	19					+					1	31		1		14			3
		11H-2, 85-87	A	G	19	12										1	32				20		1	3
		11H-3, 85-87	A	G	19	8										7	31		1		44			2
		11H-4, 85-87	A	G	13	23					+					3	36				12			5
		11H-5, 85-87	A	G	30	12					?					4	25				16			8
		11H-6, 85-87	A	G	18	13					1					4	22				15			4
		12H-1, 85-87	A	G	58	3					2					3	30				10			5
		12H-2, 82-84	A	G	20	36					2					7	20				10		1	
		12H-3, 85-87	A	G	19	18		1	1		1	2				1	25				17			

Table T2 (continued).

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Dictyococites</i> spp. (10-5)	<i>Dictyococites</i> spp. (<5)	<i>Discoaster barbadensis</i>	<i>Discoaster saipanensis</i>	<i>Discoaster tanii</i>	<i>Discoaster nodifer</i>	<i>Discoaster</i> spp.	<i>Ellipsolithus</i> spp.	<i>Ericsonia formosa</i>	<i>Ericsonia subdisticha</i>	<i>Helicosphaera euphratis</i>	<i>Helicosphaera lophota</i>	<i>Helicosphaera reticulata</i>	<i>Helicosphaera</i> spp.	<i>Markalius inversus</i>	<i>Micrantholithus</i> spp.	<i>Nannolettrina fulgens</i>	<i>Neococcolithes dubius</i>	<i>Pedinocyclus larvalis</i>	<i>Portosphaera ocellata</i>
middle Eocene	CP15a	171B-1052A-																						
		3H-2, 85-87	A	G	22	5	6	14	1		3	1						1		3				
		3H-3, 85-87	A	G	24		6	6			4	1												
		3H-4, 85-87	A	G	18	1	1	13			1	2												
		3H-5, 85-87	A	G	16	1	5	14	1		2	1												
		4H-1, 85-87	A	G	10	5	6	9	+		3	5												
		4H-2, 85-87	A	G	10	5	11	19	3		4	1					2							
		4H-3, 85-87	A	G	10	3	8	10	2		3							2						
		4H-4, 85-87	A	G	4	2	9	13	5		2	1						3						
		4H-5, 85-87	A	G	18	3	10	11			2													
		4H-6, 85-87	A	G	14	19	8	16				1												
		5H-1, 85-87	A	G	35	5	1	8	+		1	1												
		5H-2, 85-87	A	G	40	11	6	5				1					1	2						
		5H-3, 85-87	A	G	37	4	9	9	1		1	1												
		5H-4, 85-87	A	G	46	5	14	12	1				1			1								
		5H-5, 85-87	A	G	51	7	7	3								1	+							
		5H-6, 85-87	A	G	36	10	9	7						7										
		6H-1, 89-91	A	G	41	4	12	11	8					4										
		6H-2, 85-87	A	G	67	9	13	2	2															
		6H-3, 85-87	A	G	35		4	5	+		1	2												
		6H-4, 85-87	A	G	32	8	2	5	2		2	3												
		6H-5, 87-89	A	G	52	6	6	4	1					1										
		6H-6, 85-87	A	G	48	11	16	4	3	+	3	4												
		7H-1, 90-91	A	G	49	8	7	8			4	1						1						
		7H-2, 85-87	A	G	39	9	10	7	2		1	3												
		7H-3, 89-91	A	G	58	6	5	8	+					5										
		7H-4, 87-89	A	G	68	13	8	7	2				2					1						
		7H-5, 87-89	A	G	57	17	4	5	4				2					1						
		7H-6, 88-90	A	G	50	19	8	1			1							1						
		8H-1, 83-85	A	G	61	15	14	5	2	1			3		1									
		8H-3, 85-87	A	G	46	8	5	3					4											
		8H-4, 85-87	A	G	34	5	9	4	+				2									1		
		8H-5, 85-87	A	G	49	13	8	2	2				1											
		8H-6, 85-87	A	G	18	5	8	5		+	2	1												
		9H-1, 85-87	A	G	28	6	11	3	1		4	5												
		9H-2, 85-87	A	G	26	19	5	4	1		3	6												
		9H-3, 85-87	A	G	9	4	6	18	1		5	3						1						
		9H-4, 85-87	A	G	10	8					2	1												
		9H-5, 86-88	A	G	2	2	7	7			4	3					2			+				
	CP14b	9H-6, 87-89	A	G	9		2	4			8	4												
		10H-1, 85-87	A	G	13	7	4	8			5	5												
		10H-2, 85-87	A	G	7	3	10	7	3	1	1	2												
		10H-3, 85-87	A	G	44	6	4	2			9													
		10H-4, 85-87	A	G	74	4	7	3	1		5	4												
		10H-5, 85-87	A	G	49	4		2		1		3						3						
		10H-6, 85-87	A	G	40	1	12	7			4	2						2						
		11H-1, 85-87	A	G	42	6	7	9			7	2						3						
		11H-2, 85-87	A	G	44	3	3	6			3	1												
		11H-3, 85-87	A	G	28	3	5				5	2						1						
		11H-4, 85-87	A	G	25	6	2	10		3	12	3												
		11H-5, 85-87	A	G	18	4	2	25		1	10	3						1						
		11H-6, 85-87	A	G	30	4	3	8		1	6	3						2						
		12H-1, 85-87	A	G	26	2	3	4			5	8						2						
		12H-2, 82-84	A	G	16	2	1	4			2	1	1		1		2					1		
		12H-3, 85-87	A	G	28		1			1	3	2						1						

Table T2 (continued).

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Pseudotriquetrorhabdulus</i> spp.	<i>Reticulofenestra umbilicus</i>	<i>Reticulofenestra</i> spp. (13-10)	<i>Reticulofenestra</i> spp. (10-6)	<i>Reticulofenestra</i> spp. (<6)	<i>Sphenolithus distentus</i>	<i>Sphenolithus furcatolithoides</i>	<i>Sphenolithus moriformis</i>	<i>Sphenolithus obtusus</i>	<i>Sphenolithus orphanknollensis</i>	<i>Sphenolithus predistentus</i>	<i>Sphenolithus primus</i>	<i>Sphenolithus pseudoradians</i>	<i>Sphenolithus radians</i>	<i>Sphenolithus spiniger</i>	<i>Sphenolithus</i> spp.	<i>Zygrhabdolithus bijugatus</i>	Miscellaneous	Total counts
middle Eocene	CP15a	171B-1052A-																					
		3H-2, 85-87	A	G	+		103	18				5									2		235
		3H-3, 85-87	A	G	+		80	8				11											232
		3H-4, 85-87	A	G	+	1	102	9				7									5		232
		3H-5, 85-87	A	G	+	1	95	9				4									6		266
		4H-1, 85-87	A	G	+	1	113	9				9							1		2		227
		4H-2, 85-87	A	G	1	0	73	9				3					3				15		233
		4H-3, 85-87	A	G	+	1	124	5				5									12		247
		4H-4, 85-87	A	G	+	0	72	26				4				1					1	1	221
		4H-5, 85-87	A	G	+	0	99	14				7				1					1	+	234
		4H-6, 85-87	A	G	1	2	65	25				5						1					231
		5H-1, 85-87	A	G	3	1	30	12				5											265
		5H-2, 85-87	A	G		0	66	16				16									1	1	275
		5H-3, 85-87	A	G	2	0	34	19				9										1	215
		5H-4, 85-87	A	G	1	0	23	21				8									1	1	231
		5H-5, 85-87	A	G	1	1	29	16				5											248
		5H-6, 85-87	A	G	2	0	22	24				8				3					1		240
		6H-1, 89-91	A	G	1	2	20	25				14									2		247
		6H-2, 85-87	A	G	2	2	2	17				11				2						1	214
		6H-3, 85-87	A	G	1	0	40	35				7				1							235
		6H-4, 85-87	A	G	8	1	10	44								5					+		226
		6H-5, 87-89	A	G	3	0	30	29				13				2							214
		6H-6, 85-87	A	G	3	0	14	21				14									1		242
		7H-1, 90-91	A	G	2	0	15	30				4				3							230
		7H-2, 85-87	A	G		0	0					17				1							209
		7H-3, 89-91	A	G	3	0	8	17				7				1							224
		7H-4, 87-89	A	G	5	1	5	16				10									2		231
		7H-5, 87-89	A	G	3	1	15	23				14									3		236
		7H-6, 88-90	A	G	7	3	34	7				5				2			1		1		232
		8H-1, 83-85	A	G	6	4	21	16				3							1		1		230
		8H-3, 85-87	A	G	1	6	37	22				6									1		224
		8H-4, 85-87	A	G		1	44	34				11									1		218
		8H-5, 85-87	A	G	2	0	50	27				14				1							246
		8H-6, 85-87	A	G	1	0	52	23				10				1							213
		9H-1, 85-87	A	G	12	0	25	31				7				1					2		259
		9H-2, 85-87	A	G	2	11	32	17				18				2							271
		9H-3, 85-87	A	G	15	47	18	30				9				1					1		283
		9H-4, 85-87	A	G	10	32	32	36				8				1					1		222
		9H-5, 86-88	A	G	10	68	17	47				4				2							248
	CP14b	9H-6, 87-89	A	G	15	71	8	7				3				3					1		248
		10H-1, 85-87	A	G	3	42	24	26				3				1					2		248
		10H-2, 85-87	A	G	1	3	35	56				6									+		232
		10H-3, 85-87	A	G	7	2	18	33				11				1					2		243
		10H-4, 85-87	A	G	4	3	11	40				12									2		240
		10H-5, 85-87	A	G		1	22	21				9				3							243
		10H-6, 85-87	A	G	5	2	28	22				12				2							240
		11H-1, 85-87	A	G	1	4	32	28				12				2							255
		11H-2, 85-87	A	G	10	5	40	14				5									2		224
		11H-3, 85-87	A	G	9	5	28	28				6				1							234
		11H-4, 85-87	A	G	5	7	23	26				6									2		222
		11H-5, 85-87	A	G	9	4	38	39				3											252
		11H-6, 85-87	A	G	8	6	36	28				4				2			1		1		221
		12H-1, 85-87	A	G	2	2	43	33				3									1		245
		12H-2, 82-84	A	G	1	1	61	41				6				1					1		239
		12H-3, 85-87	A	G		6	46	55				8				2					1		242

Table T2 (continued)

Table T2 (continued).

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Braarudosphaera bigelowii</i>	<i>Calcidiscus protoannulus</i>	<i>Calcidiscus</i> spp.	<i>Campylosphaera dela</i>	<i>Campylosphaera</i> spp.	<i>Chiasmolithus consuetus</i>	<i>Chiasmolithus gigas</i>	<i>Chiasmolithus grandis</i>	<i>Chiasmolithus oamaruensis</i>	<i>Chiasmolithus solitus</i>	<i>Coccolithus eopelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Coccolithus pelagicus</i> (<4)	<i>Coronocyclus</i> spp.	<i>Cribocentrum reticulatum</i> (10 $\geq$)	<i>Cribocentrum reticulatum</i> (10-6)	<i>Cribocentrum</i> spp.	<i>Cruciplacolithus vanheckae</i>	<i>Cruciplacolithus</i> spp.	<i>Dictyococcites bisectus</i>
		12H-4, 85-87	A	G	23	14	1					+			2	24	3		20					4
		12H-5, 85-87	A	G	12	19						1			+	14	1		14					9
		12H-6, 85-87	A	G	34	27						2			2	10	3		3					3
		13H-1, 85-87	A	G	13	16			1			1			2	15	2		9				10	
		13H-2, 85-87	A	G	14	11			3	1		1			3				10		1			2
		13H-3, 85-87	A	G	15	25		1				+			1	18			11		1			
		13H-4, 85-87	A	G	22	9			1	1		1			1	16			11					4
		13H-5, 85-87	A	G	8	20						+			+	15			27					4
		13H-6, 85-87	A	G	9	13	1					+			2	30	1		5					4
		14H-1, 85-87	A	G	12	16			1	1		+			2	23			6					3
		14H-2, 85-87	A	G	27	11						2			+	23			1					4
		14H-3, 85-87	A	G	17	14						+			2	28			11					7
		14H-4, 85-87	A	G	4	17	1									40			6					4
		14H-5, 85-87	A	G	18	13						1	?		4	22			7		1			5
		14H-6, 85-87	A	G	17	11						1			7	25			5	1				3
		15H-1, 85-87	A	G	23	9			3			2				25			4					4
		16X-1, 80-81	A	G	20	12						+				19			2		3			3
		16X-3, 38-40	A	G	36	7	2		3			+			1	43			1		1	2		9
		17X-1, 68-70	A	G	10	5	1	1				+			6	53	1		5		1			2
		17X-2, 117-119	A	G	71	12	2					1			6	36			2		1			
		17X-4, 90-92	A	G	69	8		2				1			7	48			4					
		18X-1, 68-69	A	G	52	+						1			1	42		1	2					
		18X-4, 63-65	A	G	17	5			2			+				32						3		
		19X-1, 121-123	A	G	81	1						+			+	2			1					
		19X-2, 69-71	A	G	49	1	+			?		+			5	11	2				1			
	CP14a	19X-3, 43-44	A	G	80	3	1	3		+	?	+		+	2	20	3		1			1		
	CP13?	19X-4, 63-65	A	G	40	1		1		1				2		20								

Table T2 (continued).

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Dictyococites</i> spp. (10-5)	<i>Dictyococites</i> spp. (<5)	<i>Discoaster barbadensis</i>	<i>Discoaster saipanensis</i>	<i>Discoaster tanii</i>	<i>Discoaster nodifer</i>	<i>Discoaster</i> spp.	<i>Ellipsolithus</i> spp.	<i>Ericsonia formosa</i>	<i>Ericsonia subdisticha</i>	<i>Helicosphaera euphratis</i>	<i>Helicosphaera lophota</i>	<i>Helicosphaera reticulata</i>	<i>Helicosphaera</i> spp.	<i>Markalius inversus</i>	<i>Micrantholithus</i> spp.	<i>Nannotetrina fulgens</i>	<i>Neococcolithes dubius</i>	<i>Pedinocyclus larvalis</i>	<i>Pontosphaera ocellata</i>
		12H-4, 85-87	A	G	19	13				1		2						1	1					
		12H-5, 85-87	A	G	17	14	3	6		1	2		1					3						
		12H-6, 85-87	A	G	12	3	1	6			5													
		13H-1, 85-87	A	G	20	5	1	8			3									3				
		13H-2, 85-87	A	G	17	2	1	4			2									2				
		13H-3, 85-87	A	G		36	1	1			4		1											
		13H-4, 85-87	A	G	21	4		1					1							1				
		13H-5, 85-87	A	G	38	5	3	1		1	1		2		1					1				
		13H-6, 85-87	A	G	39	4	1	3			4					1				+				
		14H-1, 85-87	A	G	36	10	15	5		1	5		4							+				
		14H-2, 85-87	A	G	23	3		3			5									1				
		14H-3, 85-87	A	G	40	1	2	11		1	9		2				1			1				
		14H-4, 85-87	A	G	30	1	3				15		3					5						
		14H-5, 85-87	A	G	43	2		1			10		11					+		1				
		14H-6, 85-87	A	G	37	3	1	1		1	14		2					5		3				
		15H-1, 85-87	A	G	33	5		2		5	3		6								+			
		16X-1, 80-81	A	G	37	3		1			3		4			+			1				1	
		16X-3, 38-40	A	G	28	2	2	15		1	11		5										1	
		17X-1, 68-70	A	G	22			8		1	9		6											
		17X-2, 117-119	A	G	1		5	11			11		3											
		17X-4, 90-92	A	G	2		1				4		7						1					
		18X-1, 68-69	A	G			2	2			3		6											
		18X-4, 63-65	A	G	1	4					6		11											
		19X-1, 121-123	A	G		2				+	1		4											
		19X-2, 69-71	A	G	2	7					2		2						1					
	CP14a	19X-3, 43-44	A	G		9	1				2		3											
	CP13?	19X-4, 63-65	A	G	1	29	2			3	2		11		1						1			

Table T2 (continued).

Age	Zone/Subzone (Okada & Bukry, 1980)	Core, section, interval (cm)	Abundance	Preservation	<i>Pseudotriquetrorhabdulus</i> spp.	<i>Reticulofenestra umbilicus</i>	<i>Reticulofenestra</i> spp. (13-10)	<i>Reticulofenestra</i> spp. (10-6)	<i>Reticulofenestra</i> spp. (<6)	<i>Sphenolithus distentus</i>	<i>Sphenolithus furcatolithoides</i>	<i>Sphenolithus moriformis</i>	<i>Sphenolithus obtusus</i>	<i>Sphenolithus orphanknollensis</i>	<i>Sphenolithus predistentus</i>	<i>Sphenolithus primus</i>	<i>Sphenolithus pseudoradians</i>	<i>Sphenolithus radians</i>	<i>Sphenolithus spiniger</i>	<i>Sphenolithus</i> spp.	<i>Zygrhabdithus bijugatus</i>	Miscellaneous	Total counts
		12H-4, 85-87	A	G	2	2	61	29		1					1					1			216
		12H-5, 85-87	A	G		1	53	47		4									1	2			225
		12H-6, 85-87	A	G	2	0	78	39		8	1				1			1					241
		13H-1, 85-87	A	G	4	2	66	37		7					1						2		226
		13H-2, 85-87	A	G	+	4	95	56		1					1						2		233
		13H-3, 85-87	A	G	4	0	67	40		7	1									3			237
		13H-4, 85-87	A	G	2	8	51	64		2	2				1					1			225
		13H-5, 85-87	A	G		2	58	38		13	1									1	1		241
		13H-6, 85-87	A	G		1	53	46		10	2				1					1			231
		14H-1, 85-87	A	G		3	29	44		11	2				2				1				232
		14H-2, 85-87	A	G	2	4	53	53		9	3				3								230
		14H-3, 85-87	A	G		4	36	35		10					+								232
		14H-4, 85-87	A	G		1	57	48		10	3				+					2			250
		14H-5, 85-87	A	G	3	3	55	80		5	4					2				1			292
		14H-6, 85-87	A	G		3	19	86			1				1					2			249
		15H-1, 85-87	A	G	+	2	32	85		7	3				1					1			255
		16X-1, 80-81	A	G	2		68	88		3	3				+	5				1			280
		16X-3, 38-40	A	G	9	3	44	38		7	4								1	3	1		280
		17X-1, 68-70	A	G	25	5	24	75		6									2	3			271
		17X-2, 117-119	A	G	3	3	48	48		3	6				+				2	2	1		277
		17X-4, 90-92	A	G	3	1	22	33		2	12	1				12			1	2	5		248
		18X-1, 68-69	A	G	9	9	37	56		1	13				1					2			240
		18X-4, 63-65	A	G	5	11	63	51		8	7				1					1	1		229
		19X-1, 121-123	A	G		2	32	65		17		1	1	1	1	1			2	1	6		220
		19X-2, 69-71	A	G			33	88		4	11	4	4	4	1					3			231
	CP14a	19X-3, 43-44	A	G		1	58	42		11	14	1			1					2			259
	CP13?	19X-4, 63-65	A	G		1	38	41		2	9	3	4	9						3			225